کوشہ ہر سوال کے جار فکند جوابات CB. A باقت ہے گئے ہیں۔ جو بنی کا لی پر ہر سوال کے سامنے دیے گئے واڑ وں کی سامن ساتھ ہے اور اس کے مائی ساتھ ویے گئے وہ کو اس مائی سے مطبوط AHBR CODE میں کا میں کے مطبوط کا میں کا میاں کا میں کی کا میں کا میں کا میں کا میں

Note: You have four choices for each objective type question as A, B, C and D. The choice, which you think, is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Write PAPER CODE, which is printed on this question paper, on the both sides of the Answer Sheet and fill bubbles accordingly, otherwise the student will be responsible for the situation. Use of ink remover or white correcting fluid is not allowed

(D)	(C)	(B)	(A)	QUESTIONS	Q-1
ان آرگینگ کیمشری	آد گینگ میسٹری	بائیویمشری Bio	الأمريل يحسري Industrial	معتى يانى سلفيورك ييدى يورى كان كاك تحت آنى با	J
In organic Chemistry	Organic Chemistry	Chemistry	Chemistry	manufacturing of sulphuric acid is application of	
lx V	Upgurd'i	ιξ	14	الوالى ايك تمير ك شال ٢٠	.2
Air	Oxygen	Water	Sugar	Which one is the example of mixture?	.3
oč.	2)	ر ایک	مرم	الإنمر مُ اللهِ آسُونُوبِ على تع فرامز كي قعد انب	j.j.
Three	Two	One	Zero	Number of neutrons in deuterium <sup>2</sup> H isotope is.	
F	Ne V	Ве	Li	المناك المنت سب م الأكدرية عن المكاب؟  Which one element has the lowest atomic radius?	,4
الكائون عي	بترى	大豆汁	UžŪţ ✓ Water	Polar covalent components aprily questive in	10
NH <sub>3</sub>	Ether H <sub>2</sub> O	NH,Cl	Mage	which Cruit of Asin of Zorien onthe following has a coordinate covalent bond?	.6
C <sub>6</sub> H <sub>14</sub>	C <sub>8</sub> H <sub>18</sub>	C9 N29	10H22	الک ایک ایک این اور تیزی سے دیم می تبدیل ہوتا ہے؟  Which one liquid evaporates rapidly?	.7
WAR	13.2°C	14.2°C	15.2℃	ن (Sn) کا زار کی کی ہے۔ Transition temperature of tin (Sn) is	.8
NaCl	Ce <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	Li <sub>2</sub> SO <sub>4</sub>	NaNO <sub>3</sub>	ایک مال کی صوفو بیاتی کیر کی کی بیخے سے بر می کار کے کار کے کے اس کی مال کی صوفو بیاتی کیر کی کے بی بیٹے سے بر Solubility of which one salt increases with the increase in temperature?	.9
02	Br <sub>2</sub>	Zn	Cl2	کونی ایک ریزیو نگ انجائ کی طال ہے؟ Which is an example of reducing agent?	.10
Sy S Benzene	HCI	NaOH	CH3COOH	کونسائیک بان الیکٹر واائٹ ہے؟ Which one is a non electrolyte?	.11
رُازِیشِ المیمنش Transition clements	بر جاوجز Halogens	نوش کیسز Noble gases	المائية: Metalloids	میٹلزکن سے ٹل کر آئیونک کمیاؤٹڈ زینائی میں؟  Metals form ionic compounds with	.12

(MM)

-20 to 2021-23c

PAPER CODE

طائل التعلقة وازه كواركر يافين عروي المراكب لوف: برسوال كروار فكند جواليات C.B.A. او D اور كرية كي الى - جواني كاني يربرسوال كرمائ وي تعلق والزول زیادہ دائروں کو یز کرنے یاکاٹ کر نے کرنے کی صورت ٹی نے کورہ جواب فلٹ تھور ہو گا۔ جواٹی کاٹی کے دوفول اخراف اس سوائے كري، فلطى كى صورت عن تهم ترؤر دارى طالب علم يرجوكى ـ اتك ريمورد ياسفيد اليودكاستهال ممنوع عيد

Note: You have four choices for each objective type question as A, B, C and D. The choice, which you think, is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Write PAPER CODE, which is printed on this question paper, on the both sides of the Answer Sheet and fill bubbles accordingly, otherwise the student will be responsible for the situation. Use of ink remover or white correcting fluid is not allowed

(D)	(C)	(B)	(A)	QUESTIONS	Q-1
زانچورٹ کی کی Lack of transport	Polluted air	نذائیت کی کی Malnutrition	بررزگاری Unemployment	کیمیکل افڈ سر کی کی ترتی نے پیدا کی ہے۔  The development of chemical industry has generated.	1.
بائیر مجمشری Biochemistry	ان آدهمیک گیمشری Inorganic Chemistry	الأمر لي يمسترى Industrial / Chemistry	فزیکل کیمٹری Physical Chemistry	تجارتی پی نے کہ کہاؤ گرز کے بیانے کے طریقوں کا مطالعہ ہے۔  The study of manufacturing of chemical compounds  on commercial base is	.2
รับสี กา / Rutherford	ہے جے تھا سن J.J. Thomson	/d. Bohr	زالش Dalton	تقریباتهٔ م الفایار فیگادورت می مے بغیر داست تبدیل کے گزدگے۔ یہ مشاہرہ Almost all the particles passed through the foil کیا تھا؟ undeflected. This observation was made by.	.3
فالش Dalton	میزان Mendeleev	ان البلاز New lands	F173 Dobereiner	المینش کے پیریاؤک ٹیمل کی چکی شکل تحکیق کا Creater of first version of Periodic Table of chements	19
7	5	2	n' 0	Chiloripe atom has electrons in the valence shell	.5
کو آرڈینیٹ Co-ordinate	میٹیک Metallic	Covalent	l'enic	کیمیل باز جودینس شیزے باہی شتر اگے جاتا ہے۔ The chemical bond by mutual sharing of their valence shell electrons is called	.6
ENT.	N <sub>273</sub>	-100	100	کیوں سکیل یم ٹیر بچر کے مر مڑ ہوتا ہے۔  The scale of temperature in Kelvin Scale starts  from °C?	.7
ۇيىشىئ Density	ایفیوژن Effusion	کپریش Compression	ڈیڈیوڈان Diffusion	کیس الگیر از کا ایک باریک موراخ ہے کم پریشر دالی جگہ کی طرف افراج کہلا تا ہے۔ Escaping of gas molecules through a tiny کہلا تا ہے۔ hole in the space with lesser pressure is called	.8
ایج کر Aqueous	اليكتريني Electricity	Sugar Sugar	Ç/ Compound	ایما سلوش جو کی شے کو پائی میں حل کرنے ہے وجو دیش آئے کہلاتا ہے۔  A solution formed by dissolving a substance in water is called.	
بنيك Stains	Corresion	∠ll Alloy	پیند Paint	کی میل کاارد کر دے کی میڈ می کی دیے کر در موجانے کائام کہلاتا ہے۔  Slow and continuous cating away of a metal by the surrounding medium is called	.10
-1/	-2	-3	-4	پر آگسائیڈزیش آگسیون کا آگسیڈیش فمر ہے۔ The oxidation number of oxygen in peroxides is	.11
Sinc Zinc	الجوسيني Aluminium	رلا Copper	آئن Iron	سب سے زیادہ کثرت سے پالی جائے والی میل ہے۔ The most abundant metal is	.12

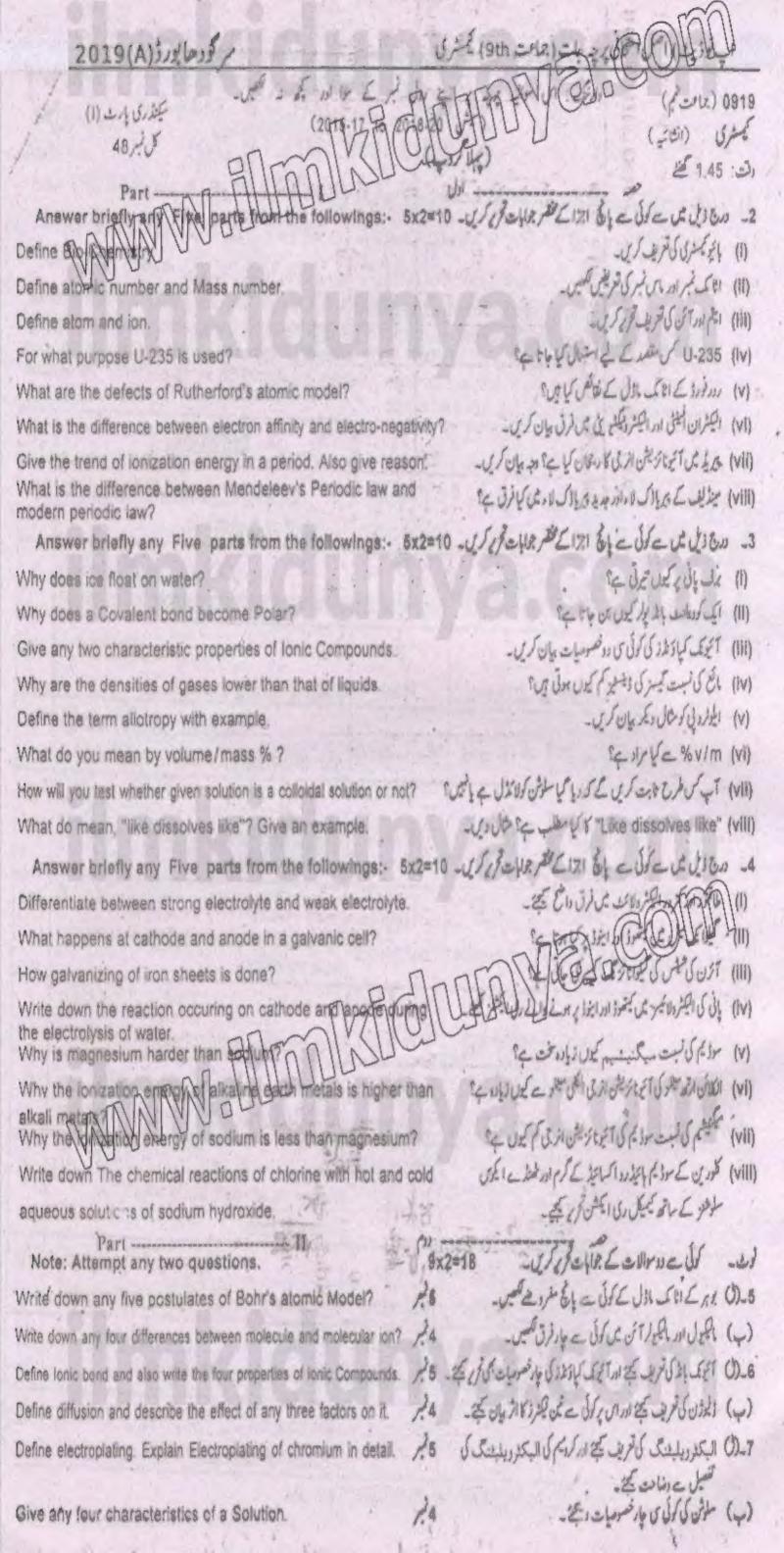
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جات (جاعث 9th) کیمٹری 2019(A) \$100 P アスとりないのとといのかに、B、A こりはとりはといけていいか ے ارجے لیے ے زار داورں کے کے کا کا کا کا کا کا اور علی اللہ تھا۔

ハメンダル、シャストンははいいうけなはこからかい、いろえんかはしていとうるの PAPER CODE Note: You have four choices for each objective type question as A. B. C and D. The choice which you think is correct; fil that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Write PAPER CODE, which is printed on this question paper, on the both sides of the Answer Sheet and fill bubbles accordingly, otherwise the student will be responsible for the situation.

Use of ink	remover or white o	orrecting fluid is	not allowed		- 1
(D)	(C)	(8)	(A)	QUESTIONS	Q-1
خوار ۱۲ طرش Sugar solution	پيش Paints	Jeily	باک المران Chalk solution	انٹل اینیکٹ کا ظاہرہ کرتا ہے۔ -Tyndall effect is shown by:-	1-
Redox reaction	Add baseine acid	で表例 <i>決</i> Neutralization	Decomposition	المروس الرائم الله الله الله الله الله الله الله الل	2
ىقىر White	المرابع المالية Golden Yellow	رق اگر Brick red	Voilet	المرائح کے الک ہوتا ہے۔ Colour of flame of sodium is:-	3
166×10 to g pd	1,56×10 <sup>-11</sup> (\$ + 50.1	1.66 × 10 = 58 g y	1.66 × 10. 28 (10)	ایک ای برند) براید کا One amu (atomic mass unit) is equivalent to:-	4
M Shell 년	عُل L Shell	N Shell of	O Shell	ادری دیل میں سے کون ماشیل تمین سب شیر پر مختل ہے؟  Which one of the following shell consists of three subshells?	5
الرواية Normal periods	기보고 토리(네) Very long periods	الگ قراباد Long periods	پارٹ کر لِمار Short periods	6th and 7th period of long form a logicalical table are called.	6
+698 kJmol*	+696 kJmol*1	TABBERT	Valled	ا کا این کا	7
Four every char	AND P	Two electrons	ایک ایکروان One electron	العالم المرازي مجدر بالمركز المرازي بها المركز الم	8
2	4	3	2	الحراكة بالأرب المالة $C_2H_2$ How many covalent bonds does $C_2H_2$ molecule have?	1
ئيث Glass	رز Rubber	E ly Plastic	Diamond	ان کی ہے کون کا کون کی کوئی ہے؟ Which one of the following is crystalline solid?	1
الموال المراكب المراكب gas in solid	Solid in gas	gas in liquid	المن المن المن المن المن المن المن المن	ر من المراق ك الحال ب من المراق ك الحال ب المائة Mist is an example of solution:-	1
+8	+5	+6	+7	The oxidation בילת שאו אל ליש אין אין אל אלייט אין אין אין אלייט אין אין אין אלייט אין	1



للالا على المالية ما تا والعامة 1911 يمنزي

te:- Yeu have four choices for each objective type question as A. B. C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filing two or more circles will result in zero mark in hat question. Write PAPER CODE, which is printed on this question paper, on the both circles of the Appendix of the situation.

(0)	remover or white of	(8)	(A)	QUESTIONS	Q-1
ال عن المالك	Ether	Petrol .	Benzene	ا کی سرفور کی مثال ہے۔ Example of Aqueous solution is	1
2n + Cr + Fe	Ni + Cr + Fe	Co+Cr+Fe	Co+NI+Cr	ری زی بی سے ایک لیک کی گرے۔ Which of the following is the mixture of Stainless Steel	2
Cesium	یورپشم Uranium	Platinum	Osmium	رین ڈیل ش نے بھاری گل ہے Which of the following metal is heaviest?	3
$Al_3(SO_4)_3$	Al(SO <sub>4</sub> ) <sub>1</sub>	Al <sub>2</sub> SO <sub>4</sub>	$Al_2(SO_4)_1$	المرسليم سلفيث كا فارمولا ب The formula of Aluminium Sulphate is.	4
96.9 %	97.6 %	98.9 %	89.7 %	الموارب C-12 كي مقدار على إلى جاء ہے؟ The Isotope C-12 is present in abundance of	5
الكائن ارثر مطر Alkaline Earth Metals	לולי לישלע Transition Metals	Halogens	Alkali Metals	d-block elements are also named as	6
اليكثرون انينلي Electron affinity	البکٹررنیگٹویٹی Electronegativity	distriction lonization Energy	لیس ازی Lattice Energy	The amount of energy giver out (ment and electron is added) to an atom is patied.	7
HCI -	0,	H <sub>1</sub>	VARO	ר אולישלים אל אל שלים ביין אל אל שלים ביין אל אל אלים ביין אל אלים אלים ביין אל אלים אלים ביין אלים	8
They want to	They are short	They want to	بایک در کے این از مک کرے میں They are	ایٹر ایک در رے کے ماتھ رہا ایک کے بیں کیک Atoms react with each other because	0
disperse	of electrons	attain stability	attracted to each other	4.0	
4.88 g / cm <sup>3</sup>	19.3g/cm <sup>3</sup>	7.86 g/cm <sup>3</sup>	2.70 g/cm <sup>3</sup>	The Density of gold is - よびなしとア	
ساوٹن کے 1dm3	1dm3 Link	Luide	الله كما الأرام	مونیری مولان کے مول کا وہ افداد ہے جو ال شدہ ہو	1
1dm <sup>3</sup> of Solution	1dm <sup>3</sup> of Solvent	100 g of Solvent	1 Kg of Solution	Molarity is the number of moles of solute dissolved in.	
+6	17	. 42	H	ن کری کری کری کری کری کری $H_2SO_4$ The oxidation number of Sulphur in $H_2SO_4$ is	

Ans. (Sr.A.19-GII):1d,2c,3a,4a,5b,6c,7d,8a,9b,10c,11d,12d



PAPER NO.

## SARGODHA FIRST GROUP

ACCORDING TO THE NEW PAPER PATTERN OF ALL BOARD

ANNUAL 2018

Roll No.(in Figures):	magical apparent seed to 4 seeds maken seen projection of the seeds by the seeds of	(in Words):	Aline intraethilistaerrigesparateilsgestaeccouscetows
Maximum Marks: 12		IVE TYPE	Time Allowed : 15 Minutes
A B C D ***  1	5 A B 6 A B 7 A B 8 A B		9 A B C D 10 10 A B C D 11 A B C D 12 A B C D 12 A B C D 12 A B C D 13 A B C D 14 A B C D 15 A B C D D D D D D D D D D D D D D D D D D
correct, fill that circle		ion with Marker or Pe	The choice which you think is en ink. Cutting or filling two or
Q1.			12
I. Empirical formula of t	enzene is:	,	
(A) CH	(B) OH	(C) NH <sub>3</sub> _	(D) CH <sub>4</sub>
2. Charge on neutron is:			a COIII
(A) negative	(B) positive	(C) no	(D) partial positive
3. Number of elements in	first period is:	anin	
(A)2	(B) 3 ( T) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(C) 4	(D) I
4. Which of the following	has greater electrone	egativity?	
(A)F	(B) CL	(C) Br	(D) I
5. Atomic number of sodi	umis:		
(A) II	(B) 10	(C) 12	(D) 13
6. Electronegativity of chl	orine is:		
(A) 3.1	(B) 3,2	(C) 3.3	(D) 3.4
7. 1 atm is equal to:			
(A) 101325 Pa	(B) 101326 Pa	(C) 101327 Pa	(D) 101328 Pa
8. Brass is solid solution o	f;		The sale of
(A) C + Cu	(B) Zn + Cu	(C) Zn + Ag	. (D) Au + Zn
9. Example of "gas in liqu	id" is:		Michigan .
(A) air	(B) oxygen in water	(C) mist	(D) somke in air
10. The oxidation number of	of chromium in K <sub>2</sub> Cr	O <sub>7</sub> is:	
(A)+2	(B) ±6	(C) +7	(D) +14
11. Loss of electrons is calle	ed:		
(A) oxidation	(B) reduction	(C) hydration	(D) hydrogination

One gram of which metal can be drawn into wire of one and half kilometer long?

(C) iron

(B) gold

(A) silver

5

## Sargodha Board 2018 (First Group)

(in Words): -----Roll No.(in Figures): ----SUBJECTIVE TYPE Time Allowed :1.45 Hours (PART - I)  $(5 \times 2 = 10)$ Q2. Write short answers to any FIVE (5) questions: How does homogeneous mixture differ from heterogeneous mixture? (i)Define analytical chemistry. (ii) (iii) How many moles are present in 40 grams of phosphoric acid (H3PO4) (iv) Write down the observations of Rutherford's experiment. For what purpose U-235 is used. (vi) Why are noble gases not reactive? (vii) Define electron affinity and electronegativity... (viii)Describe the dobereiner's triads.  $(5 \times 2 = 10)$ Q3. Write short answers to any FIVE (5) questions: Define duplet rule and octet rule. (ii) What is meant by intermolecular forces? idumya.cor (iii) Ice floats on water why? (iv) Define a diffusion of gas with an example. (v) State a Boyle's law of gas. (vi) Define solute and solvent. (vii) What is tyndall effect. (viii) How can you prepare on molar-solution?  $(5 \times 2 = 10)$ Q4. Write short answers to any FIVE (5) questions: Define oxidation process. (i) What are reducing agent? Give an example. What are galvanic cell? Give an example. (iv) Write two methods for prevention of corrosion. (v) Write two properties of silver metals. (vi) Define valency. Write the valency of Na. (vii) Write trends of electropositivity in period of periodic table. (viii) Write two physical properties of platinum metal. (PART - II)  $(2 \times 9 = 18)$ Note: Atlempt any TWO questions. Write five properties of cathode rays. Write four differences between compound and mixture. (b) 5 How coordinate covalent bond is formed. Explain it with examples. Q6. (a) What is vapour pressure and how it is affected by intermolecular forces. (b)

Write five principles of assign oxidation number.

(b) What is solubility? How temperature effect it? Write in detail.

## SARGODHA SECOND GROUP BOARD

nutes

12

1	MAIN A AN	ACCORDING TO THE	NEW PAPER PA	ITTERN OF ALL BOAR	2018			
Ro	ll No.(in Figures):	***************************************	t.	(in Words)	;			
Ma	ximum Marks: 12	ОВЈЕ	CTIVE	TYPE	Time Allowed: 15 Mini	ite		
	A B C D ** 1 A B C D ** 2 A B C D ** 3 A B C D	5 6 7 8 8			9 A B C D 10 10 A B C D 11 A B C D D D 11 A B C D D D D D D D D D D D D D D D D D D	led .		
NO		le in front of that	question w	ith Marker or F	The choice which you think en ink. Cutting or filling two			
01.		2. 10 2.12 3.13 3.1		-		12		
1.	The most abundant g	as found in the a	ímosphere	is:	The state of			
	(A) carbon monoxide	(B) oxygen		) nitrogen	(D) argon			
Ž.	Which one of the folk	owing shell consi	sts of three	subshells?	mon			
	(A) O shell	(B) N shell	(C	) L shell	(D) M shell			
3.	How many elements a	re there in the s	econd perio	od of long forn	2 2 2			
	(A) 8	(B) 18		) 23	(D)-32			
4.	Which one of the follo	wing halogens h	as lowest e	letronegativity	a ·			
	(A) fluorine [ \ [ \ [ \ ]	(B) chlorine	(C	) bromine	(D) iodine			
5.	Octet rule is:							
	(A) description of eight	electrons	(B	) picture of ele	ctronic configuration			
	(C) pattern of electroni	(D	(D) attaining of eight electrons					
6.	Triple covalent bond							
	(A) eight	(B) six	(C	) four	(D) three			
7.	Gas density is express	ed in:			1 1 2 1			
	(A) mg cm <sup>-3</sup>	(B) g cm <sup>-3</sup>	(0	) g dm <sup>-3</sup>	(D) kg dm <sup>-3</sup>			
8.	Which one of the following will show negligible effect of temperature on its solubility?							
	(A) KCI	(B) KNO <sub>3</sub>	(C	) NaNO <sub>3</sub>	(D) NaCl			
9,	Tyndall effect is due t	0:						
	(A) blockage of beam of light ·		(B	) non-scattering	g of beam of light			
	(C) scattering of beam	(D	(D) passage through beam of light					
10.	Which one of the follo	wing is electroly	te?					
	(A) sodium chloride so	lution	(B	) sugar solution	1			
	(C) benzene	,	(D	) urea				
11.	The oxidation number	r of hydrogen in	HCl is:					
	(A) +2	(B) +1	(C	) +3	(D) +4			

Which one of the following metal burns with a brick red flame?

(C) iron

(B) magnesium

(A) sodium

Sargodha Board 2018 (Second Group) Roll No.(in Figures): (in Words): SUBJECTIVE TYPE Time Allowed: 1.45 Hours (PART - I) Write short answers to any FIVE (5) questions:  $(5 \times 2 = 10)$ Differentiate between atomic number and mass number. (i) Define relative atomic mass and atomic mass unit. (ii)Write empirical formula of benzene and hydrogen per oxide. Describe two defects in Rutherford's model. Write electronic configuration (subshell) of Al. (vi) What do you mean by groups and periods in the periodic table? (vii) Write any two salient features of long form of periodic table? (viii) Why the elements are called s and p block elements? Write short answers to any FIVE (5) questions:  $(5 \times 2 = 10)$ Define coordinate covalent bond. Give one example. (i) Differentiate between polar and nonpolar covalent bond. Junya.col (ii) (iii) What are intermolecular forces? Give one example. Define diffusion process. What is absolute temperature scale? (vi) How supersaturated solution is prepared. (vii) Give difference between dilute and concentrated solution. (viii) Write two example of gas into gas solution. Q4. Write short answers to any FIVE (5) questions:  $(5 \times 2 = 10)$ Define oxidation. (1) Find out the oxidation number of chlorine in KClO<sub>3</sub>. (iii) Define electroplating. Give its use. (iv) What is galvanic cell? Give its example. Write two used of magnesium. (vi) Why platinum is used for making jewelry. (vii) Give chemical reaction of methane with chlorine in bright light. (viii) What do you mean by 24 carat gold? (PART - II) Note: Attempt any TWO questions.  $(2 \times 9 = 18)$ Discuss results concluded from the Rutherford's atomic model. Q5. (a) Define a molecule and explain homoatomic molecules and hetroatomic molecules with (b) examples.

Q7. (a) What is electrolysis? Explain the electrolysis of water.

(b) Write four characteristics of solution.

What do you know about ionic compounds and write their important properties.

Define vapour pressure and explain different factors on which it depends.

Q6. (a)

(b)